Accessories

- Mascontrol
- Controlpres
- Well Tanks
- Expansion Tanks
- MonoDrive
- SubDrive
- Pumptec
- Pumptec Plus

Mascontrol

An intelligent system

Mascontrol is the newest product innovation providing optimum control for electric pumps used in residential and commercial plumbing and irrigation systems. An intelligent mix of hydraulic and electronic engineering, Mascontrol monitors both pressure and flow and automatically controls pump operations. Mascontrol eliminates the use of expansion tanks needed with traditional systems. No plenum chambers to recharge, and no irritating variations in pressure and flow at the point of use. No risk of the pump running dry. No adjustment or maintenance is required. Much more compact than traditional tank systems, Mascontrol is absolutely dependable, durable and simple to install. Over one million units currently in use across Europe.

Mascontrol is the most advanced economical solution for controlling electric pumps.

Features of Operation

- Eliminates pressure tank and switch
- Maintains constant pressure and flow
- Built-in check valve
- Built-in run-dry sensor
- Dual voltage 115 V or 230 V
- Absorbs water hammer
- Simple installation saves time and space
- No adjustment or maintenance required
- Can be used with surface or submersible pumps

Features of Construction

Mascontrol includes a hydraulic section and electronic control box.

The hydraulic section comprises:

- a molded housing in reinforced plastic.
- a diaphragm and spring responsive to variations in pressure.
- a valve responsive to variations in flow.
- a check valve
- safety valve preventing any water leakage in case of diaphragm break down

The electronic section comprises:

- a NEMA 12 electronic box molded in self extinguishing plastic.
- an individually-tested electronic circuit board protected by insulating film.
- a relay with special contacts and an electrical life of over 300,000 cycles or approximately 10 years (continuous rating).
- a varistor protecting against voltage peaks.

Materials

Housing	Glass fiber reinforced polyamide PA 6 FV 30%
Diaphragm	EPDM
Spring	Steel C 72 UNI 3545
Flow valve	Stainless steel AISI 304
Check valve	Glass fiber reinforced polyamide PA 6 FV 30%
Control box	Self extinguishing thermoplastic resin 94 - 5 VA
Printed circuit	Vetronite

Warranty - 2 years

c UL us LISTED — Listed by Underwriters Laboratories Inc. to U.S. and Canadian safety standards

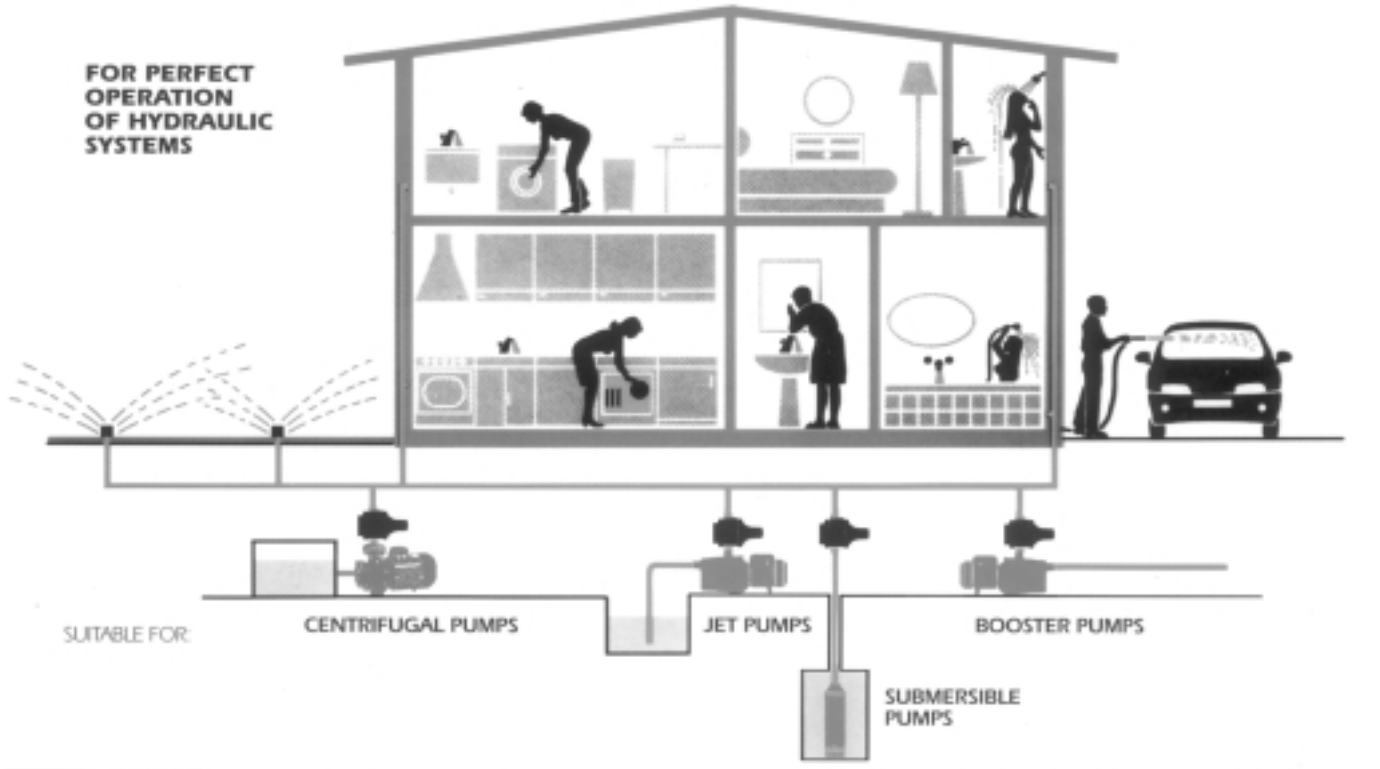
CE — Fully in compliance with current EEC directives

Mascontrol

Mascontrol is available in 1" and 1-1/4" models. By utilizing a bypass, the Mascontrol is adaptable to almost any flow and horse power pump. Product warranty is two years from installation date (see footnote below). Replacement parts are the electronic box and hydraulic body - no rebuilds required.

- Mascontrol 1" - for flows up to 15GPM
- Mascontrol 1-1/4" - for flows up to 25GPM
- Use bypass application with either model for flows in excess of 25 GPM.

Item # 79980 Mascontrol, 1" NPT, 50 feet (suitable for 50 feet maximum elevation above Mascontrol)
Item # 79983 Mascontrol, 1" NPT, 70 feet (suitable for 70 feet maximum elevation above Mascontrol)
Item # 79984 Mascontrol, 1" NPT, 90 feet (suitable for 90 feet maximum elevation above Mascontrol)
Item # 79985 Mascontrol, 1-1/4" NPT, 50 feet (suitable for 50 feet maximum elevation above Mascontrol)
Item # 79986 Mascontrol, 1-1/4" NPT, 70 feet (suitable for 70 feet maximum elevation above Mascontrol)



WARRANTY AND DISCLAIMER OF WARRANTY
The following warranty for the product is in lieu of all other conditions or warranties, whether express, implied or statutory, including but not limited to any implied conditions or warranties of merchantability or fitness for a particular purpose and on any other condition or warranty obligation on the part of the manufacturer or its distributors, which are hereby expressly disclaimed. Mascontrol is warranted to be free of defects occurring either in hydraulic or electronic parts for a period of two years from date of installation when installed by a licensed professional in accordance with the product manual and due professional care. The manufacturer reserves the right to inspect and evaluate defective units prior to warranty claim settlement. Improper installation, application or mishandling of unit voids the warranty.

Mascontrol

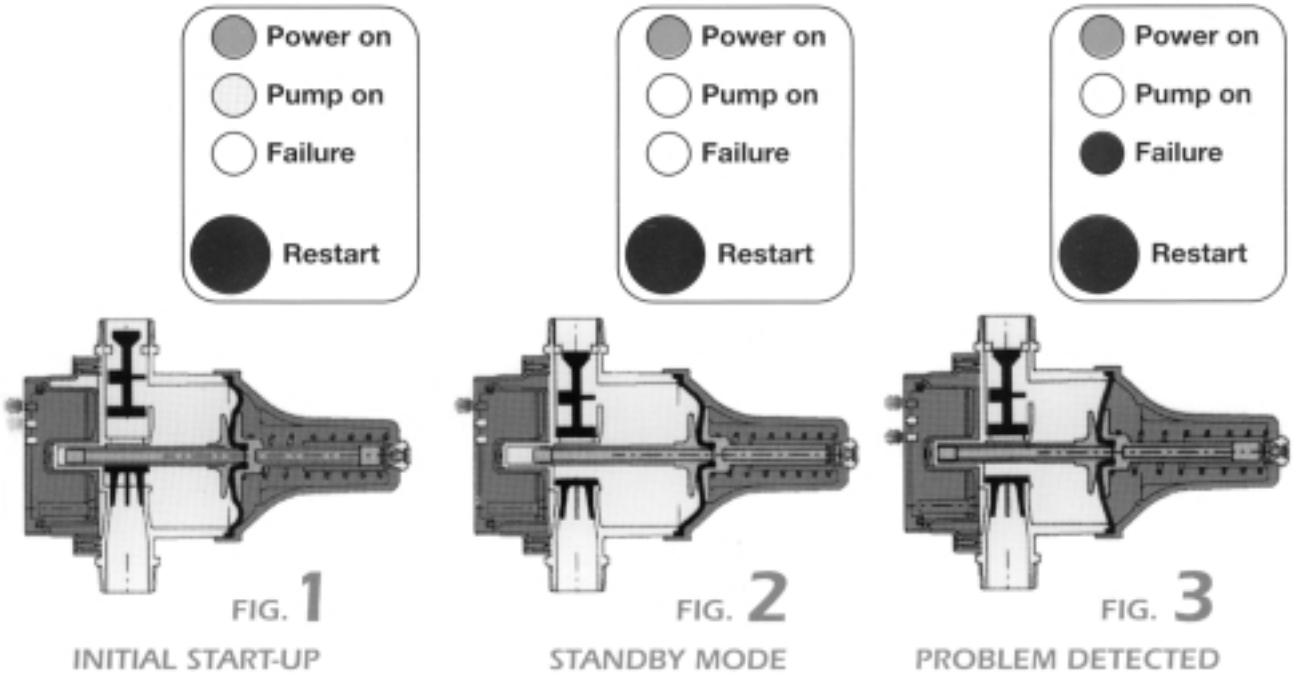


FIG. 1 INITIAL START-UP

FIG. 2 STANDBY MODE

FIG. 3 PROBLEM DETECTED

The system's easy operating steps are displayed by indicator lights on a small panel at the front of the control box. Two of these will light up when the Mascontrol is connected to the power supply: ***Power on*** (green) and ***Pump on*** (yellow), indicating that the circuit is powered up and the pump is running (see Fig. 1). The pump will continue to operate for a few seconds so that pressure can be established in the system.

At this point, the pump is automatically shut off and switched to the standby mode (green light on), ready to respond to the various monitoring and control signals generated by the system (Fig. 2). Whenever a tap or valve is opened, the pump is immediately started by the Mascontrol unit and continues to run as long as the tap remains open (Fig. 1).

When the tap is closed, the Mascontrol unit shuts off the pump and returns the system to maximum pressure and reverts to the standby mode (Fig. 2).

Irregular operating conditions such as a dry or blocked inlet line, etc., are recognized by the ***Failure light*** (red light on). The pump is shut off immediately.

Once the problem is corrected the user need only press the red Restart button to restore normal operation (Fig. 3).

If power is lost, the Mascontrol system will reset and restart automatically when power is restored.

Technical Specifications

Dual voltage . . . . . 115V / 230V
Acceptable power fluctuations . . . . . ± 10%
Frequency . . . . . 50/60 Hz
Amp rating . . . . . 115V-16FLA / 230V-20FLA

Use starter for higher amp draws

Electronic enclosure . . . . . NEMA 12
Maximum operating pressure . . . . . 116 PSI
Operating temperature . . 32-149°F (0-65°C)
Male threaded connections . . . . . 1" NPT
Electrical conduit connections . . . . . 1/2"

GRAPH INDICATING PRESSURE LOSSES

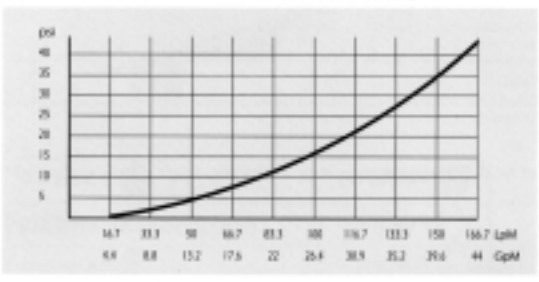
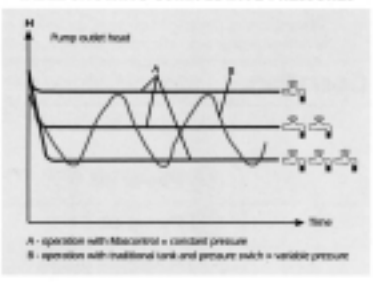
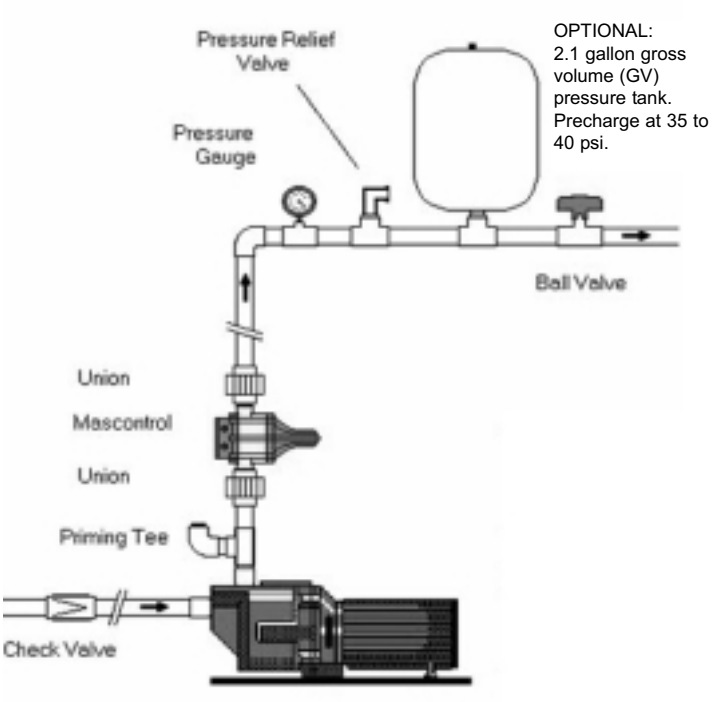


TABLE SHOWING COMPARATIVE PRESSURES



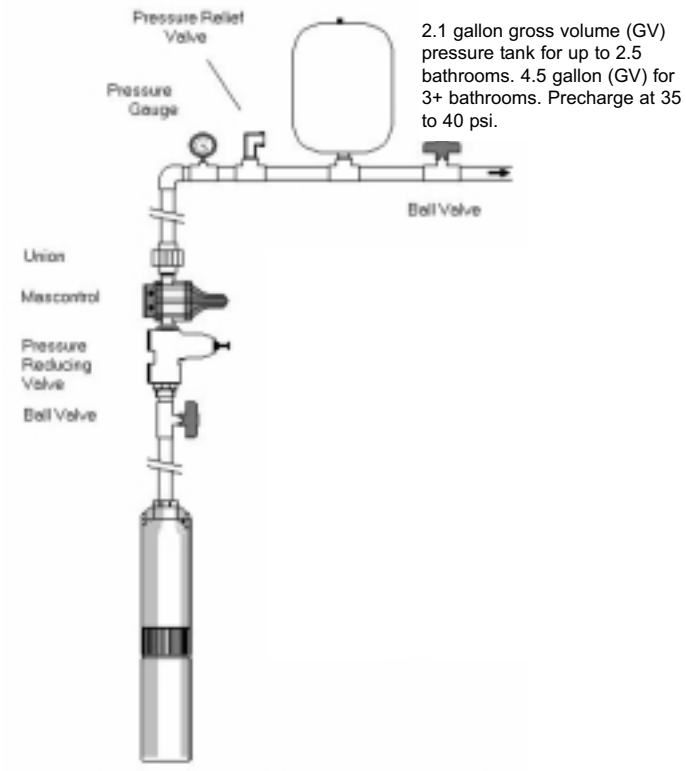
Mascontrol Installation Diagram

Surface Pump - Residential Application



The pressure tank is optional. The tank, if used, provides a "cushion" for small demands such as icemakers, reverse osmosis systems, leaks, glasses of water, etc. The tank precharge should be set at 35 to 40 PSI or generally not less than 20 PSI below the system pressure. With single stage surface pumps, system pressure is usually between 50 and 60 PSI. Do not install a pressure tank larger then 8.6 gallons gross volume as the system may perform like a standard tank set-up. Be sure to install a ball valve on the main after the Mascontrol for system maintenance. Gate valves may be used instead of ball valves. Remove the pressure switch from the pump (if supplied) and wire the Mascontrol directly to the pump.

Submersible Pump - Residential Application


Pressure Relief Valve
Pressure Gauge
2.1 gallon gross volume (GV) pressure tank for up to 2.5 bathrooms. 4.5 gallon (GV) for 3+ bathrooms. Precharge at 35 to 40 psi.
Ball Valve
Union
Mascontrol
Pressure Reducing Valve
Ball Valve

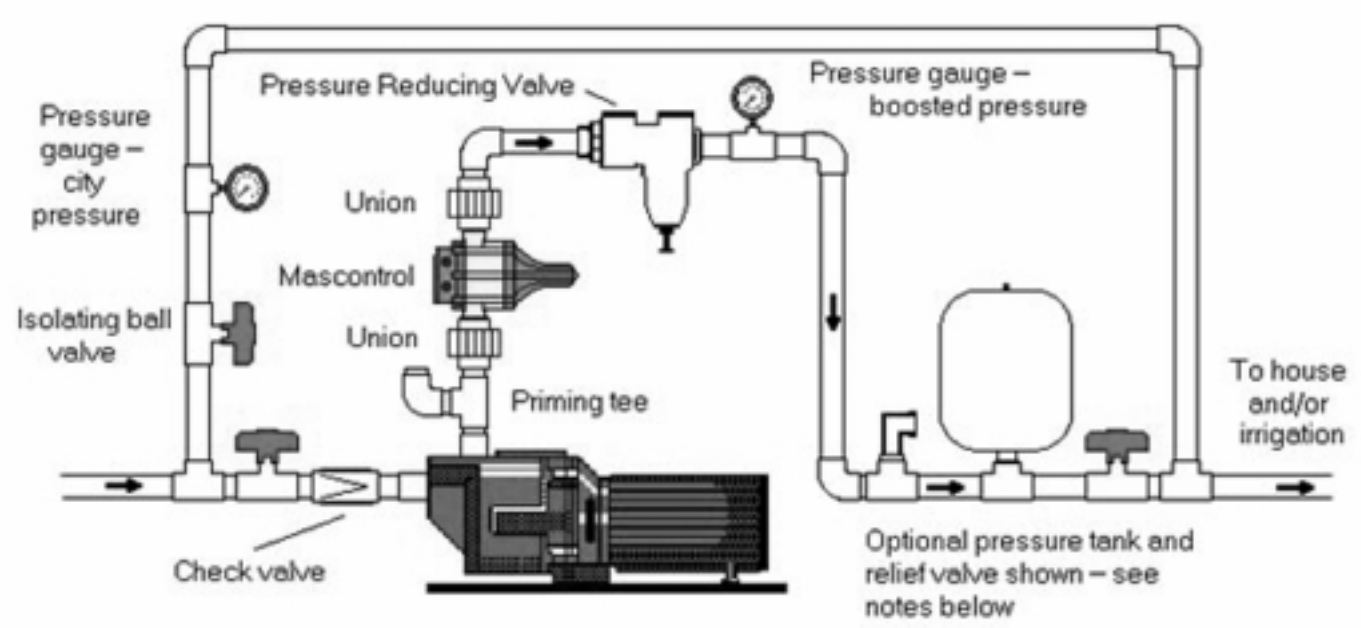
The submersible system may be operated without a tank for 3-wire submersible systems, however the tank provides a "cushion" for small demands such as icemakers, reverse osmosis systems, leaks, glasses of water, etc. The tank precharge should be set at 35 to 40 PSI or generally not less than 20 PSI below the system pressure. Do not install a pressure tank larger then 8.6 gallons gross volume as the system may perform like a standard tank set-up. Irrigation systems do not require a tank unless the system has significant leaks. The pressure reducing valve provides safe water pressures to the house as submersible pumps are usually capable of producing significantly higher pressure than is needed for the home or application.The ball valves shown are for system maintenance. At least one ball valve should be placed after the Mascontrol on the main. Gate valves may be used instead of ball valves.

PRV not required with Controlpres. Be sure all pipe & fittings are capable of handling the maximum pressure of the pumps.

Mascontrol City Water Booster Pump Application

Isolation Bypass Shown

Diagram shows OPTIONAL Pressure Reducing Valve and OPTIONAL Pressure Tank - See below



Pressure Reducing Valve -

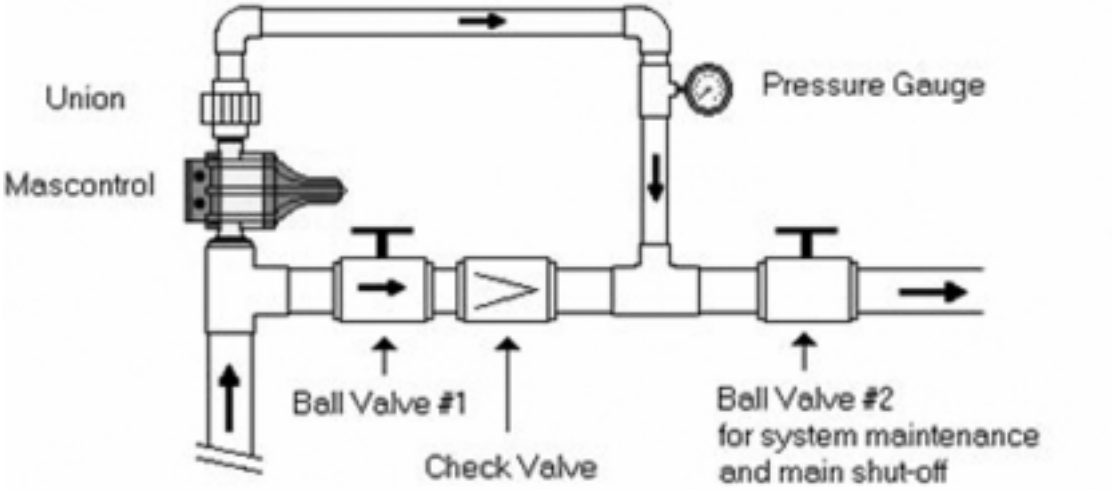
Required only if incoming city pressure PLUS pump's maximum pressure exceeds desired service pressure. If city pressure fluctuates use highest pressure reading and use pump's maximum pressure to arrive at total surface pressure. Most residential booster pumps will generate at least 50 to 55 PSI. Follow local codes on maximum in-house water pressure. If irrigation requires higher pressure, tee off after the Mascontrol but before the pressure reducing valve to supply the irrigation system with the highest pressure available. Do not tee off BEFORE the Mascontrol

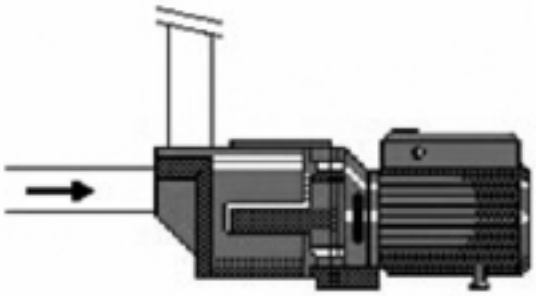
Pressure Tank and Relief Valve -

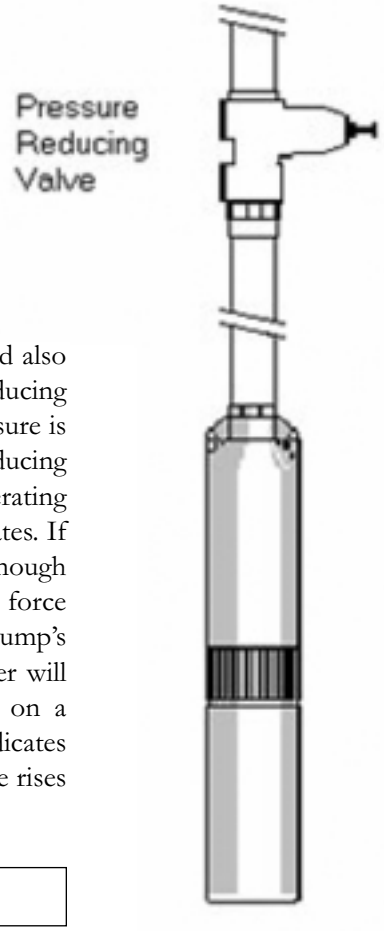
OPTIONAL - The Mascontrol provides "on demand" pump control. To prevent the pump from starting for small water uses such as ice makers, glasses of water, etc., install a 2.1 gallon gross volume pressure tank (example PJR6) AFTER the Mascontrol and pressure reducing valve (if one is installed). Precharge pressure tank to between 35 and 40 PSI, BUT NOT LESS THAN 20 PSI below system pressure. DO NOT install pressure switch. The tank will "feed" small demands. When the tank is emptied, the Mascontrol will start the pump and repeat pump cycling. On larger homes (3 or more bathrooms) a 4.5 gross volume tank may be used,such as a WX102, JR15 or WM18L. Precharge according to above instructions. A pressure relief valve may be added as dictated by local code.

Mascontrol Bypass Application

With 1" Mascontrol use on flows above 15 GPM
With 1-1/4" Mascontrol use on flows above 25 GPM





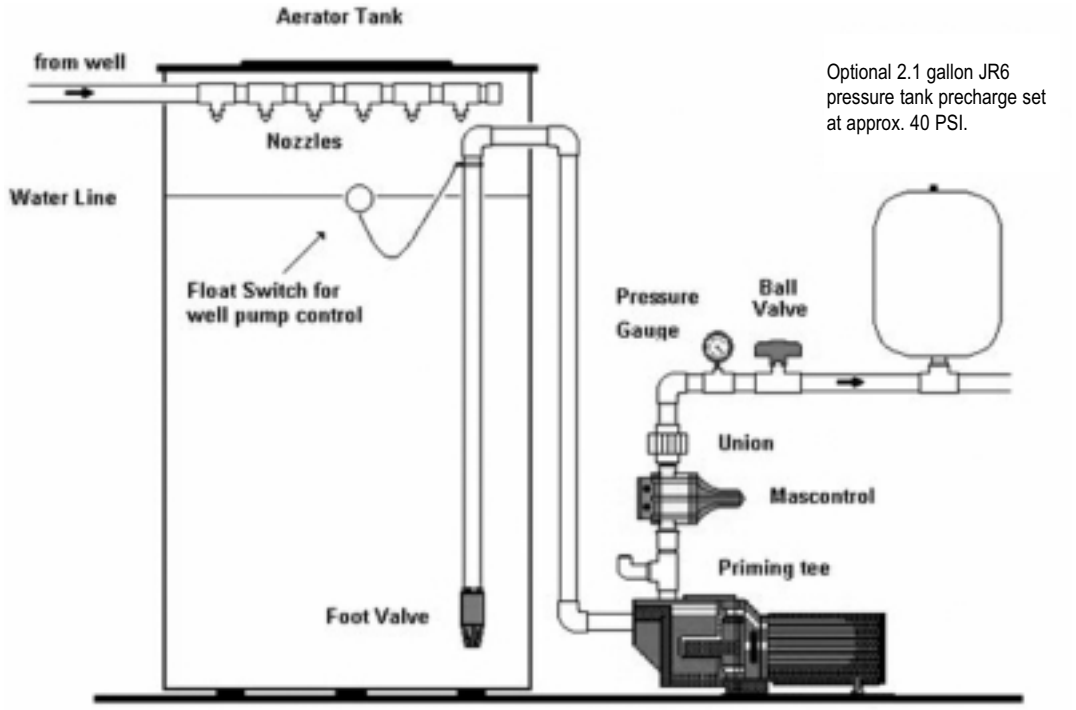


Ball valve #1 is used to provide back-pressure to the pump and also to throttle more water into the bypass if necessary. Pressure reducing valve shown on submersible is used when maximum head pressure is greater desired system pressure. In most cases, a pressure reducing valve will be required as most submersibles are capable of generating much more PSI than is required, especially with varying flow rates. If rapid cycling occurs, the bypass/Mascontrol is not getting enough flow and ball valve #1 should be adjusted (more closed) to force additional water into the bypass. Note that as less of the pump's capacity is used, flow slows down/pressure increases and water will follow the least resistant path - the main line. Fast cycling on a particular zone (when the other zones run normal) usually indicates an undersized zone. Check the pressure gauge to see if pressure rises significantly on the cycling zone.

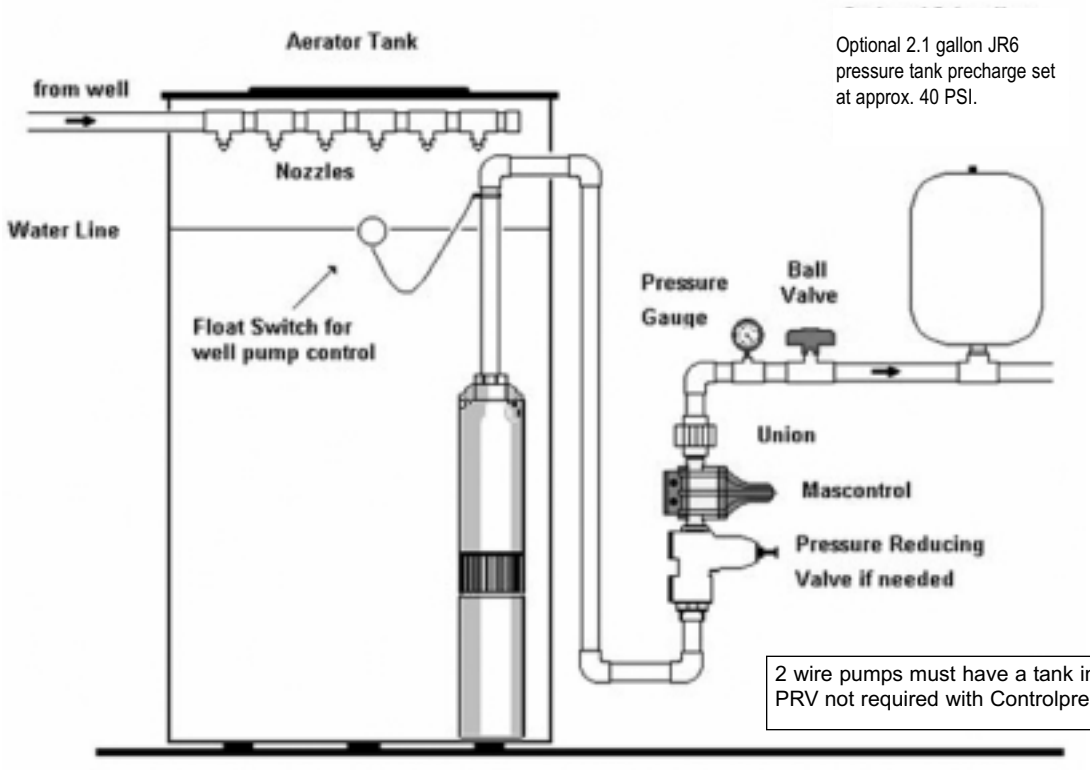
PRV not required with Controlpres.

Mascontrol Installation with Aerator Tank

Surface Pump Application



Submersible Pump Application



2 wire pumps must have a tank installed.
PRV not required with Controlpres.

Controlpres

Constant Pressure - Constant Flow

Controlpres, a newer version of the Mascontrol valve, has all of the same innovative features as the original plus a built-in pressure-reducing valve, allowing for downstream pressure adjustments according to system requirements.

Pressure gauge, 1/4"
FNPT is sold separately

Item #79992 - Controlpres, 1-1/4" NPT
• 2 year warranty

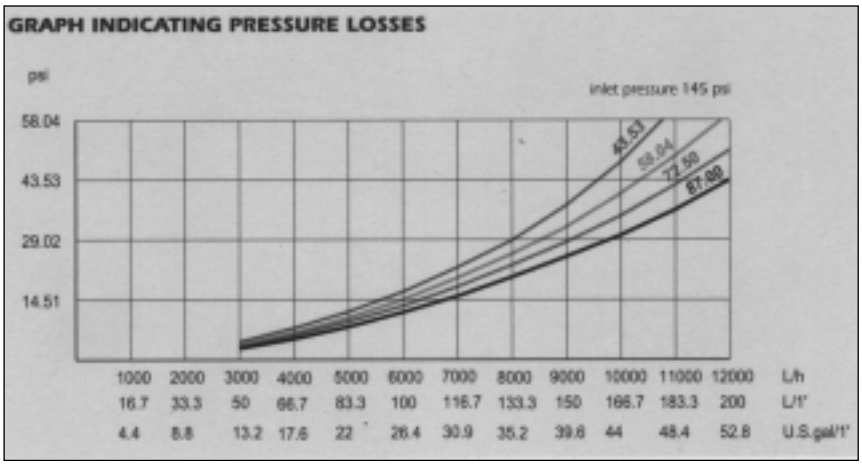
c UL us LISTED

Features of Operation & Construction

- Provides for an adjustable down stream pressure between 36 psi to 100 psi
- Eliminates the need for a pressure tank and switch
- Unit maintains constant pressure, constant flow
- Built-in check vale
- Run-dry sensor for pump protection
- Dual voltage 115/230 with additional voltage requirements accommodated by the use of a contactor
- Time and space are saved by simple installation requirements and the unit's compact size
- Can be utilized on virtually all pumps

Technical Specifications

Dual voltage.....115V/230V
Acceptable power fluctuations.....+10%
Frequency .....50/60 Hz
Amp rating .....115V-16 FLA/230V-20 FLA
Use contractor for higher amp rating
Electronic enclosure .....NEMA 12
Maximum inlet pressure.....145 psi
Factory pressure setting.....43.5 psi
Pressure adjusting range.....36.2 psi, 101.5 psi
Male threaded connection .....1-1/4" NPT
Pressure gauge male threaded connection.....1/4" NPT



AQUA FLO *Well Tanks*

A full range of pressure tanks is available in the **AQUA FLO** line to complete your water system.

Aqua Flo tanks are the industry's fighting brand and one of the more popular water tanks on the market. Efficient and cost-effective, Aqua Flo tanks are designed with a patented controlled action, double diaphragm assembly that is completely contained in a pre-pressurized air cushion that reduces condensation and regulates diaphragm action.

Aqua Flo tanks have a threaded nut for easy installation of pump stand, a welded malleable elbow and an adjustable air charge. Clean, airtight welds are achieved using the most modern welding equipment available. They are completed with an appliance quality paint finish over primer coat, which combines durability and high luster.

Our diaphragms are constructed with a FDA approved high grade butyl. The true airflow design means fewer problems with condensation. Our diaphragms positive lock internal clench ring cannot slip and does not rely on the tank wall. The tank contains a stainless steel port diffuser, and water connection which directs water flow upward and outward while locking the lower diaphragm in place.

All of our quality tanks are backed by a five year written, limited warranty. Aqua Flo tanks are quality tested at four different stages on the production line. Tests include helium and high pressure tests to ensure the structural integrity of every tank.

Double Diaphragm Design

- 100% Butyl Water Chamber incorporates different size diaphragms on various tank sizes and handles chlorine. The double diaphragm will not deteriorate to chlorinated water.
- The water chamber is totally independent of the tank wall so that diaphragms are sized according to application.
- Steel clench ring regulates action and prevents diaphragm from rubbing against tank wall.
- The design provides a unique anti-condensation feature.
- High quality two part polyurethane finish the best in the industry.
- Integral tank skirt will easily accommodate water systems industry standard tank tees.

Model AF AquaFlo® Tanks - Quick Sizing Drawdown in Gallons/Liters - Maximum Working Pressure 125 PSI

Item #	Model	Total Tank Volume (Gal/Liters)	@ 20/40 PSI (Gal/Liters)	@ 30/50 PSI (Gal/Liters)	@ 40/60 PSI (Gal/Liters)	Dimensions		System Connection	PSI Precharge	Shipping Weight (Lbs)
						Diameter (inches)	Height (inches)			
33290	AF44	14/60	5.6/21.35	4.8/18.1	4.1/15.6	16	22	1"	38	28.0
33291	AF66	20/80	8.1/30.51	6.8/25.8	5.9/22.3	16	29	1"	38	36.0
33299	AF88	26/100	10.5/39.66	8.9/33.6	7.7/29.0	16	34.5	1"	38	41.0
33292	AF111	32/120	12.9/48.81	10.9/41.3	9.4/35.7	21	27.75	1-1/4"	38	54.0
33297	AF122	33/130	13.3/50.34	11.3/42.6	9.7/36.8	16	42.75	1"	38	49.0
33293	AF144	44/170	17.7/67.12	15.0/56.8	13.0/49.1	21	36.25	1-1/4"	38	67.0
33294	AF211	62/240	25.0/94.57	21.1/80.0	18.3/69.2	21	48	1-1/4"	38	82.0
33298	AF244	81/310	32.6/123.6	27.6/104.5	23.9/90.4	21	62	1-1/4"	38	99.0
33295	AF266	85/325	34.3/129.7	29.0/109.7	25.1/94.9	26	44.5	1-1/4"	38	121.0
33296	AF366	119/450	48.0/181.5	40.6/153.6	35.1/132.9	26	59.75	1-1/4"	38	153.0

Maximum working temperature for all Well Tanks listed on the page is 140°F (60°C).

Well-Rite® Series Well Tanks

Not Available in USA

Well-Rite® tanks are quickly becoming the industry standard. This tank is loaded with features that distinguish it from the competition. Solidly constructed with a welded, stainless steel connection, the Well-Rite® Series puts the "tank" in water tank. Well-Rite® tanks are distinctly designed with Flexcon's patented and innovative controlled action diaphragm ("CAD"), which eliminates coatings, liners and plastic bladders.

The CAD is surrounded in a pre-pressurized atmosphere that reduces condensation and forces the diaphragm to expand and contract the same way, every time. Flexcon's patented controlled action, double diaphragm assembly completely contains drawdown water. The water chamber does not chafe on the tank wall. This unique diaphragm design is constructed with an FDA approved, high-grade butyl rubber compound. NSF certifies Well-Rite® tanks as conforming to standard 61 for drinking water system components. The CAD system is anchored by Flexcon's stainless steel water connection which is totally lead free and NSF approved for the highest sanitary standard. A full flow stainless steel port diffuser directs water flow upward and outward while firmly locking the lower diaphragm in place.

Well-Rite® tanks are finished with a high-quality urethane paint system that combines durable all-weather protection with a deep gloss, appliance look.

All of Flexcon's quality tanks are backed by a five year written limited warranty. Well-Rite® tanks are quality tested at four different stages on the production line. Tests include helium and high pressure tests to ensure the structural integrity of every tank.

Welded Stainless Steel Connection

Well-Rite Series - Quick Sizing Drawdown in Gallons/Liters - Maximum Working Pressure 125 PSI

Item #	Model	Total Tank Volume (Gal/Liters)	@ 20/40 PSI (Gal/Liters)	@ 30/50 PSI (Gal/Liters)	@ 40/60 PSI (Gal/Liters)	Dimensions		System Connection Union	PSI Precharge	Shipping Weight (Lbs)
						Diameter (inches)	Height (inches)			
33180	WR45R	14/60	5.6/21.35	4.8/18.1	4.1/15.6	16	22	1"	38	28.0
33181	WR60R	20/80	8.1/30.51	6.8/25.8	5.9/22.3	16	29	1"	38	36.0
33182	WR80R	26/100	10.5/39.66	8.9/33.6	7.7/29.0	16	34.5	1"	38	41.0
33183	WR100R	32/120	12.9/48.81	10.9/41.3	9.4/35.7	21	27.75	1-1/4"	38	54.0
33184	WR120R	33/130	13.3/50.34	11.3/42.6	9.7/36.8	16	42.75	1"	38	49.0
33185	WR140R	44/170	17.7/67.12	15.0/56.8	13.0/49.1	21	36.25	1-1/4"	38	67.0
33186	WR200R	62/240	25.0/94.57	21.1/80.0	18.3/69.2	21	48	1-1/4"	38	82.0
33187	WR240R	81/310	32.6/123.6	27.6/104.5	23.9/90.4	21	62	1-1/4"	38	99.0
33188	WR260R	85/325	34.3/129.7	29.0/109.7	25.1/94.9	26	44.5	1-1/4"	38	121.0
33189	WR360R	119/450	48.0/181.5	40.6/153.6	35.1/132.9	26	59.75	1-1/4"	38	153.0

Maximum working temperature for all Well Tanks listed on the page is 140°F (60°C).

Well-Rite Online® Series Well Tanks

Not Available in USA

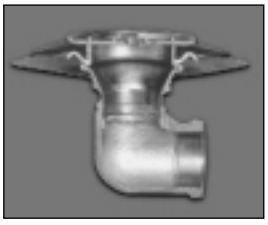
Well-Rite Online® tanks are the professional's choice in the well tank market. Flexcon's innovative Online Union Connection is easier to install and saves time and money. You simply line up your storage tank "T" and tighten the union nut with the Well-Rite Online tank standing upright - avoiding any need to tip the tank over. Online has a welded, stainless steel connection. This stainless steel connection is totally lead free and NSF approved for the highest sanitary standard. Well-Rite Online tanks are finished with a high quality urethane paint system. The paint system combines durable all-weather protection with a deep gloss appliance look. Well-Rite Online® tanks are designed with Flexcon's patented and innovative controlled action diaphragm, which eliminates coatings, liners and plastic bladders.

Well-Rite Online® tanks' patented controlled action diaphragm assembly completely contains drawdown water in a pre-charged air atmosphere. This "air buffer" design means fewer problems with condensation and with the clench ring prevents the water chamber from chafing against the tank wall. The unique diaphragm design is constructed with a FDA approved, high-grade butyl rubber compound. NSF certifies Well-Rite Online® tanks as conforming to standard 61 for drinking water system components. A full flow stainless steel port diffuser directs water flow upward and outward while firmly locking the lower diaphragm in place.

All of Flexcon's quality tanks are backed by a five year written limited warranty. Well-Rite® tanks are quality tested at four different stages on the production line. Tests include helium and high pressure tests to ensure the structural integrity of every tank.

The Well-Rite Online® Union Connection with optional tank "T"

The Well-Rite Online® tank includes tail piece.



Welded Stainless Steel Connection

Brass Online Tank Tees

#33268: OLT-100,
1" Male Connection
#33269: OLT-125,
1-1/4" Male Connection

Well-Rite Online Series - Quick Sizing

Drawdown in Gallons/Liters - Maximum Working Pressure 125 PSI

Item #	Model	Total Tank Volume (Gal/Liters)	@ 20/40 PSI (Gal/Liters)	@ 30/50 PSI (Gal/Liters)	@ 40/60 PSI (Gal/Liters)	Dimensions		System Connection Union	PSI Precharge	Shipping Weight (Lbs)
						Diameter (inches)	Height (inches)			
33190	WR45-OLC	14/60	5.6/21.35	4.8/18.1	4.1/15.6	16	22	1"	38	28.0
33191	WR60-OLC	20/80	8.1/30.51	6.8/25.8	5.9/22.3	16	29	1"	38	36.0
33192	WR80-OLC	26/100	10.5/39.66	8.9/33.6	7.7/29.0	16	34.5	1"	38	41.0
33193	WR100-OLC	32/120	12.9/48.81	10.9/41.3	9.4/35.7	21	27.75	1-1/4"	38	54.0
33194	WR120-OLC	33/130	13.3/50.34	11.3/42.6	9.7/36.8	16	42.75	1"	38	49.0
33195	WR140-OLC	44/170	17.7/67.12	15.0/56.8	13.0/49.1	21	36.25	1-1/4"	38	67.0
33196	WR200-OLC	62/240	25.0/94.57	21.1/80.0	18.3/69.2	21	48	1-1/4"	38	82.0
33197	WR240-OLC	81/310	32.6/123.6	27.6/104.5	23.9/90.4	21	62	1-1/4"	38	99.0
33198	WR260-OLC	85/325	34.3/129.7	29.0/109.7	25.1/94.9	26	44.5	1-1/4"	38	121.0
33199	WR360-OLC	119/450	48.0/181.5	40.6/153.6	35.1/132.9	26	59.75	1-1/4"	38	153.0

Maximum working temperature for all Well Tanks listed on the page is 140°F (60°C).

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Jet-Rite 2 Well Tanks

Jet-Rite 2 tanks are ideally suited for irrigation applications, booster systems, shallow jet pumps and centrifugal pump configurations. The Jet-Rite 2 series is constructed with a single butyl diaphragm and polypropylene liner assembly that completely contains drawdown water. The diaphragm is constructed with an FDA approved, high-grade butyl rubber compound. Jet-Rite 2 tanks are made with a stainless steel system connection, are available in vertical and horizontal models and are finished with an appliance quality paint especially suited for outdoor installations.

Jet-Rite 2 tanks are quality tested at several stages on the production line to ensure the structural integrity of every tank.

All of Flexcon's quality tanks are backed by a five year written limited warranty.

Features:

- Stainless Steel Water Connection
- Virgin Polypropylene Liner
- 100% Butyl Diaphragm
- Appliance Quality Paint Finish
- Brass Air Stem
- Comprehensive Testing

Model PJR In-Line Tanks - Quick Sizing Drawdown in Gallons/Liters - Maximum Working Pressure 125 PSI

Item #	Model	Total Tank Volume (Gal/Liters)	@ 20/40 PSI (Gal/Liters)	@ 30/50 PSI (Gal/Liters)	@ 40/60 PSI (Gal/Liters)	Dimensions		System Connection	PSI Precharge	Shipping Weight (Lbs)
						Diameter (inches)	Height (inches)			
33285	PJR-6	2.1/8	0.8/2.9	0.7/2.5	0.6/2.1	8	12	3/4"	28	5
33286	PJR-15	4.8/18	1.7/6.6	1.5/5.6	1.3/4.8	11	14.5	3/4"	28	10
33287	PJR-25	8.5/32	3.1/11.7	2.6/9.8	2.3/8.7	12.5	20	3/4"	28	13

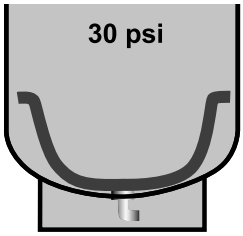
Model PJR Horizontal Tanks - Quick Sizing Drawdown in Gallons/Liters - Maximum Working Pressure 125 PSI

Item #	Model	Total Tank Volume (Gal/Liters)	@ 20/40 PSI (Gal/Liters)	@ 30/50 PSI (Gal/Liters)	@ 40/60 PSI (Gal/Liters)	Dimensions		System Connection	PSI Precharge	Shipping Weight (Lbs)
						Diameter (inches)	Height (inches)			
33283	PJR-20 (S)	5.3/20	1.9/7.3	1.6/6.2	1.4/5.4	11.4	17.5	3/4"	28	13.3
33288	PJR-25 (S)	8.5/32	3.1/11.7	2.6/9.8	2.3/8.7	12.5	20.0	3/4"	28	15
33289	PJR-44 (S)	14/53	5.1/19.3	4.3/16.4	3.8/14.2	16.3	20.8	3/4"	28	28.3
33305	PJR-66 (S)	20/80	7.6/28.8	6.5/24.8	5.5/20.8	16.3	28.5	1"	28	38.0

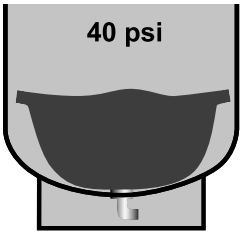
Maximum working temperature for all Well Tanks listed on the page is 140°F (60°C).

Common Items for Aqua Flo, Well-Rite Online®, Well-Rite and Jet-Rite 2 Well Tanks

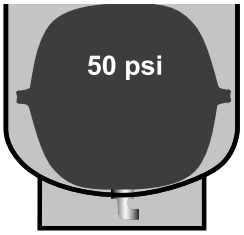
Controlled Action Diaphragm ("CAD") Operation - 30/50 psi pressure range



1 Pump comes on and begins to fill the tank.



2 Pump continues to run compressing air charge in tank.

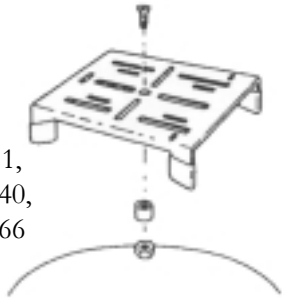


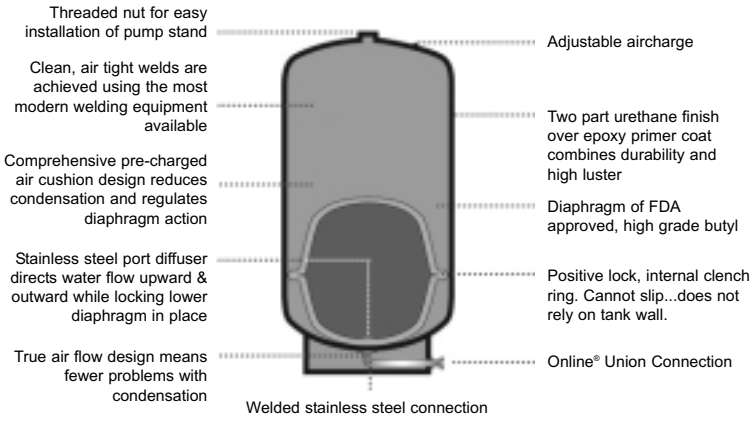
3 Pump shuts down when cutout pressure is reached. Drawdown is available on demand.

Pump Stands

Item #33301
Model #PS1621 Fits:
Tank Models 44, 45, 60, 66, 80, 88, 120, 122

Item #33300
Model #PS2126 Fits:
Tank Models 100, 111, 140, 144, 200, 211, 240, 244, 260, 266, 360, 366




Threaded nut for easy installation of pump stand
Clean, air tight welds are achieved using the most modern welding equipment available
Comprehensive pre-charged air cushion design reduces condensation and regulates diaphragm action
Stainless steel port diffuser directs water flow upward & outward while locking lower diaphragm in place
True air flow design means fewer problems with condensation
Adjustable aircharge
Two part urethane finish over epoxy primer coat combines durability and high luster
Diaphragm of FDA approved, high grade butyl
Positive lock, internal clench ring. Cannot slip...does not rely on tank wall.
Online® Union Connection
Welded stainless steel connection

Well Tanks Replacement Guide

Aqua Flo	Well-Rite	Well-Rite Online	H2 Pro	Well-X Trol	Wel-Flow	Champion	How 2 Tank	Goulds A.O. Smith	State Perma Tank	Well Mate	Pro-Sputce	Standard Galvanized
PJR6	PJR6	PJR6	N/A	WX-101	WF6	CM1001	HT2	V6P	PIL-2	WM8L	N/A	5 GAL.
PJR15	PJR15	PJR15	N/A	WX-102	WF15	CM1002	HT4.4	V15P	PIL-5	WM18L	N/A	12 GAL.
PJR20*	PJR20	PJR20	N/A	WX-105	N/A	N/A	N/A	N/A	N/A	WM25L	PS15-502	18 GAL.
PJR25*	PJR25	PJR25	N/A	WX-103	WF25	CM1003	HT8.6	V25P	PIL-7	N/A	N/A	21 GAL.
AF44	WR45	WR45-OLC	WWT-14	WX-201	WF45	CM3001	HT14	V45	PAD-14	WM4	PS30-T01	30 GAL.
AF66	WR60	WR60-OLC	WWT-20	WX-202	WF60	CM4202	HT20	V60	PAD-20	WM6	PS42T-T02	42 GAL.
AF88	WR80	WR80-OLC	WWT-25	WX-202XL	N/A	N/A	N/A	V80	N/A	N/A	N/A	82 GAL.
AF111	WR100	WR100-OLC	WWT-30	WX-205	WF110	CM8205	N/A	N/A	N/A	N/A	PS75T-T03	82 GAL.
AF122	WR120	WR120-OLC	WWT-35	WX-203	WF100	CM8003	HT32	V100	PAD-36	WM9	PS82T-T05	82 GAL.
AF144	WR140	WR140-OLC	WWT-45	WX-250	WF140	CM10050	HT44	V140	PAD-52	WM14	PS120-T50	120 GAL.
AF211	WR200	WR200-OLC	WWT-65	WX-251	WF200	CM12051	HT44	V200	PAD-52	WM20	PS200-T51	220 GAL.
AF244	WR240	WR240-OLC	WWT-80	WX-255	N/A	N/A	N/A	V250	N/A	N/A	N/A	220 GAL.
AF266	WR260	WR260-OLC	WWT-85	WX-302	WF260	CM17002	HT86	V260	PAD-86	WM25	PS220-T52	220 GAL.
AF366	WR360	WR350-OLC	WWT-120	WX-350	WF360	CM22050	HT119	V350	PAD-119	WM35	N/A	315 GAL.

Flex-Lite with CAD-2 Well Tanks

Not Available in USA

The Flex-Lite FL Series' improved CAD-2 water chamber features a chlorine resistant 100% butyl diaphragm permanently attached to a copolymer polypropylene bottom water chamber for superior air and water separation. This patented design allows each tank to have a properly sized water chamber, matched to the drawdown performance of that tank!

FL tanks are constructed utilizing the latest, revolutionary composite tank technology. The three piece inner tank includes copolymer polypropylene, injection molded top and bottom domes that are permanently fused to an extruded cylinder via a high tech spin welding process. The tank is then wrapped with continuous strand fiberglass and coated with epoxy resin for the ultimate in strength and durability. The rugged ribbed base design provides for maximum loads and extreme environmental conditions. A PVC Schedule 80 water connection extends out from the bottom of the base for ease of installation.

The FL series is available in 8 enhanced drawdown sizes that feature the best water chamber in the industry. They provide the proven performance of a Flexcon steel tank with the lightweight, non corrosive features of a composite tank. So now there are two great choices in water system tank. Either way you go, Flexcon steel or Flexcon composite, you can be assured of the best tank in the industry.

All of Flexcon's quality tanks are backed by a five year written limited warranty.

Model FL/CAD-2 Tanks - Quick Sizing

Drawdown in Gallons/Liters - Maximum Working Pressure 125 PSI

Item #	Model	Total Tank Volume (Gal/Liters)	@ 20/40 PSI (Gal/Liters)	@ 30/50 PSI (Gal/Liters)	@ 40/60 PSI (Gal/Liters)	Dimensions		System Connection	PSI Precharge	Shipping Weight (Lbs)
						Diameter (inches)	Height (inches)			
33170	FL 5	15/60	6.0/24.1	5.1/20.4	4.4/17.7	16.5	25.2	1" NPT	38	15
33171	FL 7	22/80	8.8/32.2	7.5/27.2	6.5/23.6	16.5	33.1	1" NPT	38	18
33172	FL12	35/130	14.1/52.3	11.9/44.2	10.3/38.3	16.5	47.9	1" NPT	38	26
33173	FL 17	50/190	20.1/76.4	17.0/64.6	14.7/56.0	21.4	42.9	1-1/4' NPT	38	41
33174	FL 22	65/250	26.1/100.5	22.1/85.0	19.1/73.6	21.4	50.9	1-1/4" NPT	38	51
33175	FL 28	82/300	33.0/120.7	27.9/102.0	24.1/88.4	21.4	64.3	1-1/4" NPT	38	62
33176	FL 30	90/340	36.2/136.7	30.6/115.6	26.5/100.1	24.2	56.6	1-1/4" NPT	38	72
33177	FL 40	119/450	47.9/181.0	40.5/153.0	35.0/132.5	24.2	71.7	1-1/4" NPT	38	91

Maximum working temperature for all Well Tanks listed on the page is 120°F (49°C).

Cross Reference Sizing Guide

Flex Lite		Well Mate		StaRite		
Tank	gal	Tank	gal	Tank	Tank	gal
FL 5	15	WM4	14.5	N/A	N/A	N/A
FL 7	22	WM6	19.8	SR20	PSP-FW20-6	20
FL 12	35	WM9	29.5	SR35	PSP-FW35-10	35
FL 12	35	WM12	40.3	SR40	PSP-FW40-12	40
FL 17	50	WM14	47.1	SR48	PSP-FW48-14	48
FL 22	65	WM20	60.0	SR60	PSP-FW60-18	60
FL 28	82	WM23	79.6	N/A	N/A	N/A
FL 30	90	WM25	86.7	SR85	PSP-FW85-25	85
FL 40	119	WM35	119.7	SR119	PSP-FW119-35	119

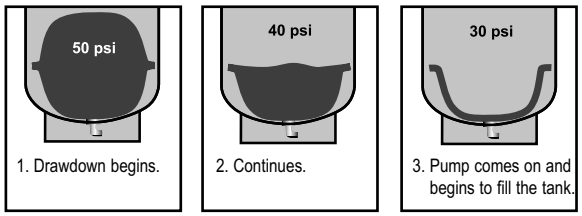
Flow-Thru Expansion Tanks

All Flexcon Flow-Thru well tanks feature our exclusive patented Flow-Thru technology. This assures your system will provide the freshest water quality possible – simply unattainable with non-Flow-Thru tanks.

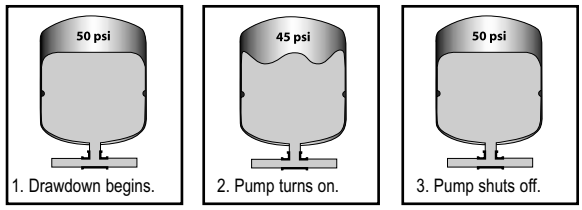
The Flow-Thru connection diverts system water into, and more importantly out of the tank while the pump is running. This constant flushing action assures that the water in the tank remains as fresh as possible and eliminates the possibility of stagnant water during normal system operation.

The Circulation Problem

In a standard water system that operates with a pressure switch and a 20 PSI differential between cut-in and cut-out, the water in the tank is flushed out and replenished on every pump cycle, thus greatly reducing the risk of stagnant water in the tank.

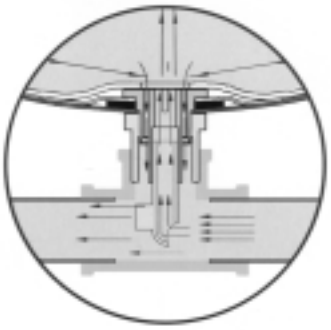


Newer variable speed drive systems operate on much lower differential pressures. They turn the pump on at a system pressure drop as little as 2-5 PSI, and bring the pump up to speed very quickly. This means that the water stored in the pressure tank is never fully exchanged, but merely diluted with new system water. This creates the possibility of stagnant water that remains in the pressure tank for an extended period of time.



Windvane Technology

The patented Flow-Thru™ connection features an innovative windvane insert that diverts system water into and, more importantly, out of the tank while the pump is running. This flushing action assures that the water in the tank remains fresh and eliminates the possibility of stagnant water during normal operation.



FT 18 - Item #33306

This 4.5 gallon total volume stainless steel tank includes the patented windvane insert. It's 100% butyl diaphragm has been proven to be the best material for tank longevity and water quality. The brushed stainless steel tank resists corrosion and will look good for years to come.

FT 18 S - Item #33307

This FT 18 S includes two mounting feet and a stand which is perfect for mounting a VFD control box. Simply mount the feet to the wall with the connection in the horizontal or vertical position, and leave your customers with a neat compact installation that you can all be proud of.

Flow-Thru Expansion Tanks

FT 66, FT 144 & FT 266

Available by special order.

These new tanks include the controlled action diaphragm that makes Flexcon tanks the industry's best. In addition, they have added a stainless steel tee with the Flow-Thru design to the inlet. This innovation actually flushes water through the tank while the system pump is running., thus ensuring that the water in the tank stays fresh.

FTC 15, FTC 22, FTC 38SQ & FTC 50

Flow Thru Composite Tanks

Flexcon's new line of composite tanks incorporate CAD-2 our patented controlled action diaphragm.

CAD-2's steel clench ring regulates movement and prevents the diaphragm from rubbing against the tank wall . It has made Flexcon tanks the Industry leader.

Flow-Thru is the ideal solution for constant pressure water system installers seeking to store water without the risk of stagnation.

Dimensions & Capacities

Item #	Model	Total Volume Gallons	Drawdown Volume* Gallons		Dimensions (inches)		Connection	Shipping Weight (lbs)
			50 psi	60 psi	Diameter	Height		
33310	FT8	2.1	0.48	0.50	8"	12.0"	1" NPT	5
33306	FT 18	4.5	1.03	1.08	11"	14.5"	1" NPT	10
33307	FT 18 S	4.5	1.03	1.08	11"	14.5"	1" NPT	12
33311	FT 66	20.0	4.6	4.8	16"	20.8"	1-1/4" NPT	36
33313	FT 144	44.0	10.12	10.56	21"	36.25"	1-1/4" NPT	68
33314	FT 266	85.0	19.55	20.4	26"	44.5"	1-1/4" NPT	122
33325	FTC 15	15.0	3.45	3.6	16.5"	25.6"	1-1/4" sch 80	19
33326	FTC 22	22.0	5.06	5.28	16.5"	33.1"	1-1/4" sch 80	24
33327	FTC 38SQ	38.0	8.74	9.12	24.2"	29.75"	1-1/4" sch 80	35
33328	FTC 50	50.0	11.5	12.0	21.4"	42.9"	1-1/4" sch 80	41

Maximum Working Temperature: 140°F (55°C)
Maximum Working Pressure: 125 PSI (8.4 bar)
Certified to ANSI/NSF 61 (73°F/23°C)
Steel/Stainless Steel tank pre-charge 35 psig.
Composite tank pre-charge 20 psig.

*Based on precharge set at 70% of set point of constant pressure controller. Drawdown can be affected by many factors, including temperature, pressure and elevation.

Potable Water Expansion Tanks

Potable Water Expansion Tanks

The **WH Series** eliminates the problem of nuisance cycling of the safety relief valve when a backflow preventer or check valve is present in a domestic hot water system. Utilizing Flexcon's patented double diaphragm system, they provide a reservoir for expanded water volume and help to prevent dangerous over pressurization. The diaphragm is permanently separated from the tank's air charge. The WH tanks also feature a brass system connection for maximum corrosion resistance. An appliance quality finish completes the tank so it will look good for years to come.

The **WHV Series** is designed for larger potable water systems. Like the WH tank, it features a double diaphragm design plus a stainless steel system connection.

Flexcon **PH Series** potable water expansion tanks are designed to maintain safe pressures in a domestic water heating system that utilizes a backflow preventer or check valve. PH tanks feature a butyl rubber diaphragm and plastic liner to separate the system water from the tanks air pre-charge. The system connection has a stainless steel sleeve to prevent corrosion. An appliance quality paint finish helps to prevent external corrosion. Every PH tank is comprehensively tested and backed by Flexcon's 5 year limited warranty. Two sizes handle most water heater installations.

Competitive Cross Reference Guide for WH, WHV & PH Series

Flexcon	Amtrol	Watts	State	ELBI	B&G	Wilkins
PH-5 or WH-8	ST-5	PET or DET-5	ETC-2X	DXT-8	PT-15	WXTP-8 or XT-8
PH-12 or WH-18	ST-12	PET or DET-12	ETC-5X	DXT-18	PT-12	WXTP-18 or XT18
WH-32	ST-25V	PET or DET-25	ETC-7X	DXT-35	PT-25V	WXTP-32
WHV-50	ST-30V	PET or DET-30	ETC-14X	DXT-50	PT-30V	WXTP-50V
WHV-75	ST-42V	N/A	N/A	N/A	PT-42V	WXTP-75V
WHV-120	ST-60V	N/A	N/A	N/A	PT-60V	WXTP-120V
WHV-165	ST-80V	N/A	N/A	N/A	PT-80V	WXTP-165V
WHV-320	ST-210V	N/A	N/A	N/A	PT-210V	WXTP-320V

Potable Water Expansion Tanks

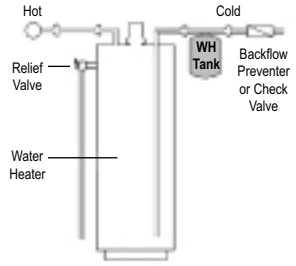
Dimensions & Capacities - WH & WHV Series

Item #	Model	Capacity Gallons	Maximum Acceptance Volume (gallons)	System Connection	Dimensions (inches)		
					Diameter	Height	Weight (lbs)
33230	WH 8	2.1	1.0	3/4" MNPT	8.5	11.5	7.0
33231	WH 18	4.5	2.0	3/4" MNPT	10.0	15.0	10.0
33232	WH 32	8.5	3.8	3/4" MNPT	12.5	19.2	15.0
33235	WHV 50	14	6.3	1" FNPT	16.0	21.7	32.0
33236	WHV 75	20	9.0	1" FNPT	16.0	28.8	39.0
33237	WHV 120	32	14.4	1" FNPT	21.0	27.8	60.0
33238	WHV 165	44	19.8	1-1/4" MNPT	21.0	36.2	72.0
33239	WHV 320	85	38.3	1-1/4" FNPT	26.0	44.4	140.0

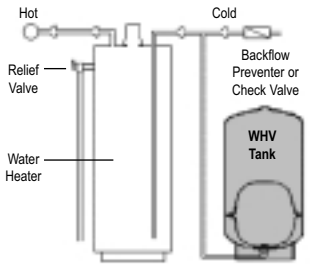
- Maximum Working Pressure 150 PSI
- Factory Pre-Charge 40 PSI
- Maximum Working Temperature 200°F

Typical Installations - WH & WHV

WH Series



WHV Series

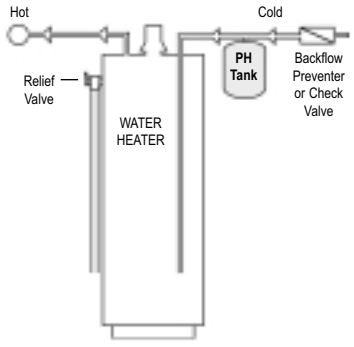


Dimensions & Capacities - PH Series

Item #	Model	Capacity Gallons	Maximum Acceptance Volume (gallons)	System Connection	Dimensions (inches)		
					Diameter	Height	Weight (lbs)
33233	PH 5	2.1	1.0	3/4" MNPT	8.0	11.6	5.0
33234	PH 12	4.8	2.4	3/4" MNPT	11.0	14.5	10.0

- Maximum Working Pressure 150 PSI
- Factory Pre-Charge 40 PSI
- Maximum Working Temperature 200°F

Typical Installations - PH



Hydronic Expansion Tanks

The **HTX Series** hydronic expansion tanks are the latest in a long line of quality products brought to you by Flexcon Industries. Constructed of deep drawn welded steel domes, HTX tanks feature butyl diaphragms engineered for longer life. Butyl rubber is the material of choice for American heating systems as it offers low permeability rates at higher temperatures. Our oversized diaphragm maximizes tank drawdown, and minimizes wear. This design virtually eliminates diaphragm stretch, which enhances longevity.

The **SXHT Series** are designed for larger systems, these tanks utilize Flexcon's patented double diaphragm design. Like the HTX tanks, the diaphragm is constructed of 100% butyl rubber

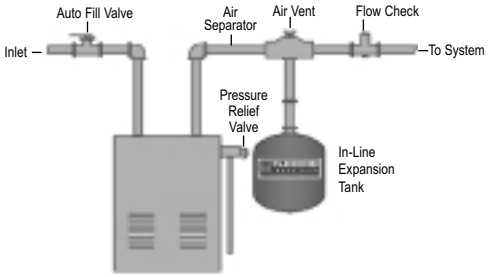
Dimensions & Capacities - HTX & SXHT Series

Item #	Model	Capacity Gallons	Maximum Acceptance Volume (gallons)	System Connection	Dimensions (inches)		
					Diameter	Height	Weight (lbs)
33244	HTX 15	2.1	1.0	1/2" MNPT	8.0	12.5	5.5
33245	HTX 30	4.5	2.5	1/2" MNPT	11.0	14.0	10.0
33246	HTX 60	6.0	3.0	1/2" MNPT	11.4	17.2	11.5
33247	HTX 90	15.0	6.0	3/4" MNPT	16.0	21.7	32.0
33248	SXHT 30	15.0	6.0	1" FNPT	16.0	21.7	32.0
33249	SXHT 40	20.0	8.0	1" FNPT	16.0	28.8	39.0
33250	SXHT 60	33.0	13.3	1" FNPT	16.0	42.8	57.0
33251	SXHT 90	44.0	17.7	1-1/4" FNPT	21.0	36.2	72.0
33252	SXHT 110	62.0	24.9	1-1/4" FNPT	21.0	47.9	112.0
33253	SXHT 160	81.0	32.6	1-1/4" FNPT	21.0	62.0	123.0

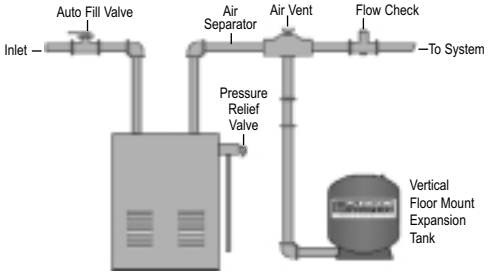
- Maximum Working Pressure 100 PSI
- Factory Pre-Charge 12 PSI
- Maximum Working Temperature 220°F

Typical Installations - HTX & SXHT

HTX Series



SXHT Series



Competitive Cross Reference Guide

Flexcon	Vent-Rite	Amtrol	Watts	State	ELBI	Wilkins
HTX 15	VR15	15	ET-15	ET-20	XT-15	HXT-15
HTX 30	VR30	30	ET-30	ET-5	XT-30	HXT-30
HTX 60	VR60	60	ET-60	ET-7	XT-60	HXT-60
HTX 90	VR90	90	ET-90	ET-14	XT-90	HXT-90
SXHT 30	SXVR30	SX30	N/A	ET-15	XTV-30	N/A
SXHT 40	SXVR40	SX40	N/A	ET-20	XTV-40	N/A
SXHT 60	SXVR60	SX60	N/A	ET-36	XTV-60	N/A
SXHT 90	SXVR90	SX90	N/A	ET-52	XTV-90	N/A
SXHT 110	SXVR110	SX110	N/A	N/A	XTV-110	N/A
SXHT 160	SXVR160	SX160	N/A	ET-96	XTV-160	N/A

MonoDrive & MonoDriveXT

Designed to handle single-phase three-wire pumping systems up to 2 hp, MonoDrive and MonoDriveXT is the industry's only constant pressure system to offer outdoor rated NEMA 4 enclosure protection. Ideal for applications where constant pressure is desirable: residential water systems, landscaping, water treatment and geothermal applications.

The MonoDrive and MonoDriveXT are designed to convert a conventional 1/2 hp, 3/4 hp or 1 hp and 1.5 hp or 2 hp pump system, respectively, to a variable speed constant pressure system by simply replacing the 3-wire control box and pressure switch. Maximum pump output using the MonoDrive or MonoDriveXT is similar to the performance achieved using a conventional control box. Therefore, the pump selection criteria are the same as if a control box were used.

MonoDrive
Item #302658

MonoDriveXT
Item #302661

Applications

- Residential Homes
- Schools
- Restaurants
- Car Washes
- Farms
- Landscape Irrigation Systems

Features & Benefits

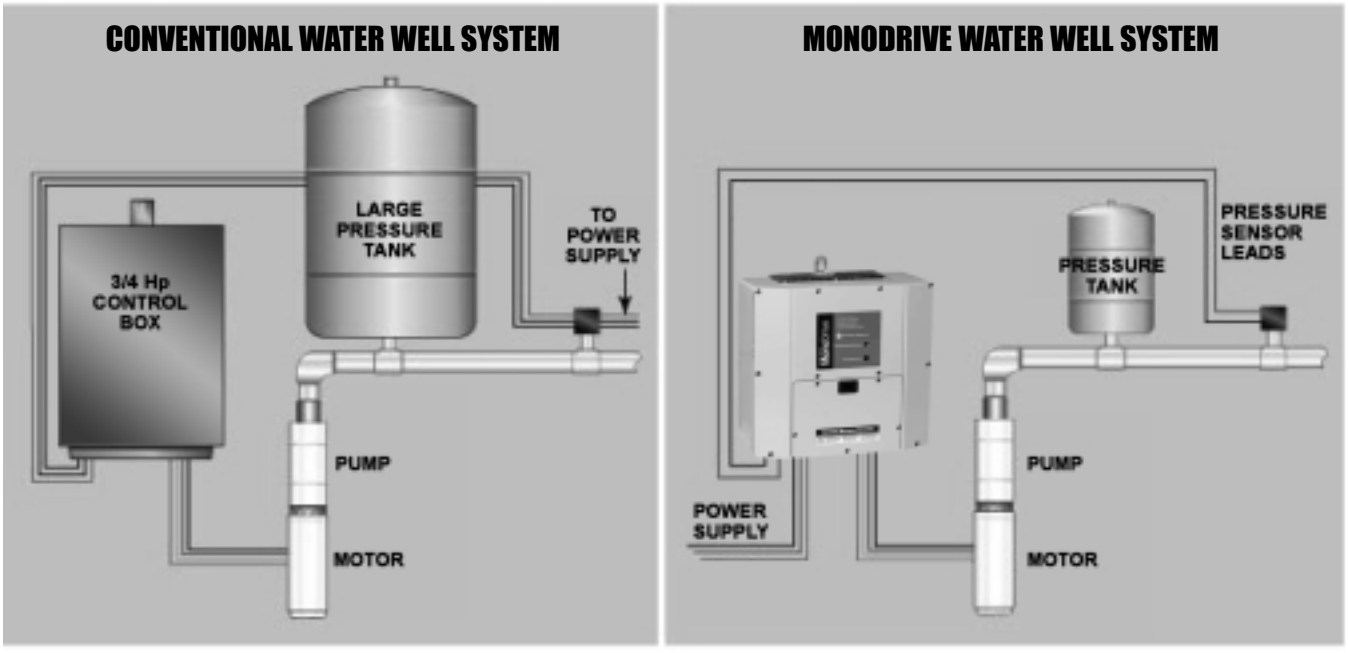
- Industry's only single-phase, outdoor constant pressure system
- Single-phase three-wire motor control
- ½ hp to 2 hp performance
- Easy to install outdoor (NEMA 4) rated enclosure
- Plug & Play
- Industry's best power factor correction
- Built-in diagnostic protection
  - Surge protection
  - Open circuit
  - Underload
  - Short circuit
  - Undervoltage
  - Overheated controller
  - Locked pump
- UL and CUL listed

MonoDrive & MonoDriveXT

Specifications

	MonoDrive	MonoDriveXT
Input (From Power Source)		
Voltage	190-260 V 1-Phase	190-260 V 1-Phase
Frequency	60/50 Hz	60/50 Hz
Max Amps (RMS)	5.7 A (½ hp) 8.7 A (¾ hp) 11 A (1 hp)	13 A (1.5 hp) 16 A (2 hp)
Power Factor	1 (Constant)	1 (Constant)
Output (To Motor)		
Voltage	Variable/1-Phase	Variable/1-Phase
Frequency	Variable (30-60 Hz)	Variable (30-60 Hz)
Max Amps (RMS)	4.0 A (½ hp) 6.6 A (¾ hp) 9.0 A (1 hp)	10 A (1.5 hp) 12 A (2 hp)
For Use With:		
Pump Rating	½, ¾ or 1 hp (Selectable)	1.5 or 2 hp (Selectable)
Motor Rating	½, ¾ or 1 hp 230 VAC (1-Phase)	1.5 or 2 hp 230 VAC (1-Phase)
Pressure Sensor (Included)	External	External
Controller Weight - N1	15.00 lbs (6.80 kg)	17.50 lbs (7.94 kg)
Controller Weight - N4	24.14 lbs (10.95 kg)	28.32 lbs (12.84 kg)
Carton Size - N1	16-½ x 12-$^{3}/_{8}$ x 9”	16-½ x 12-$^{3}/_{8}$ x 9”
(H x W x D)	41.9 x 31.4 x 22.9 cm	41.9 x 31.4 x 22.9 cm
Carton Size - N4	17-½ x 16-$^{3}/_{8}$ x 11-$^{3}/_{8}$”	17-½ x 16-$^{3}/_{8}$ x 11-$^{3}/_{8}$”
(H x W x D)	44.5 x 41.6 x 28.9 cm	44.5 x 41.6 x 28.9 cm
Shipping Weight - N1	19.23 lbs (8.72 kg)	21.28 lbs (9.65 kg)
Shipping Weight - N4	30.91 lbs (14.02 kg)	35.09 lbs (15.92 kg)

*N1 = NEMA 1 (Indoors), N4 = NEMA 4 (Outdoors)



SubDrive 75, SubDrive 150 & SubDrive 300

Franklin Electric's constant pressure SubDrives combine reliability and state-of-the-art technology to provide water well owners with a premium water system. Franklin Electric's SubDrive provide constant water pressure by continually monitoring and adjusting the pump speed to meet water supply demands. A SubDrive also eliminates pressure cycling during long-running applications such as lawn sprinkling and geothermal heat pump operation.

Applications:

- Residential Water Systems
  - "City-like" water pressure
  - Smaller tank saves space
- Geothermal Systems
  - Eliminates need for large buried tanks
  - Eliminates pressure cycling
- Lawn Irrigation Systems
  - Even distribution of water zones
  - Eliminates need for separate system
- Water Treatment Systems
  - More efficient back-flushing
  - Eliminates need for multiple pumps

Features & Benefits

- Constant water pressure with a wide range of settings (25 to 80 psi)
- Easy installation
- Soft start feature prevents water hammer and increases motor life
- Works with small pressure tanks or existing larger tanks
- Smart Reset® technology allows well recovery before restarting the pump
- Single-phase input power with three-phase motor performance
- Excellent radio frequency interference shielding
- UL and CUL listed

SubDrive 75
Item #302659

SubDrive 150
Item #302660

SubDrive 300
Item #302662

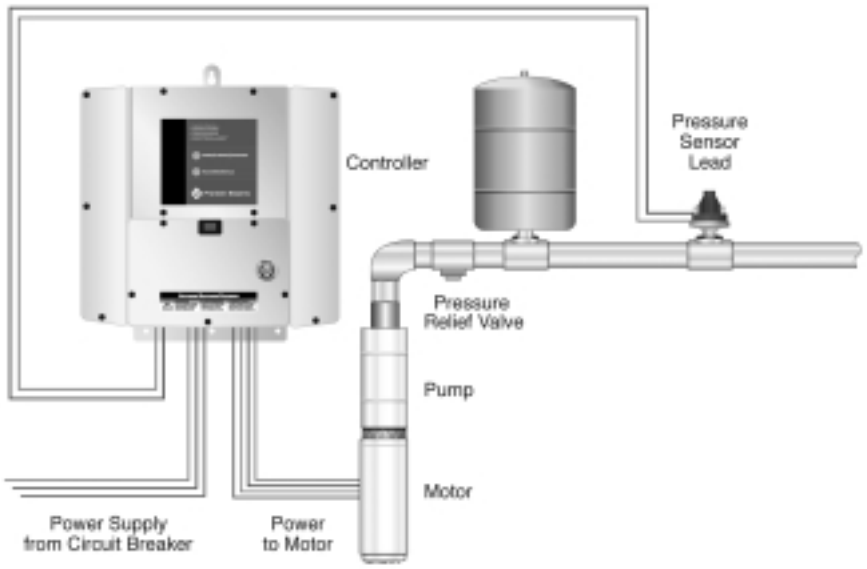
SubDrive 75, 150 & 300

Specifications

	SubDrive 75	SubDrive 150	SubDrive 300
Input (From Power Source)			
Voltage	190-260 V 1-Phase	190-260 V 1-Phase	190-260 V 1-Phase
Frequency	60/50 Hz	60/50 Hz	60/50 Hz
Max Amps (RMS)	11 A	23 A	36 A
Power Factor	1 (Constant)	1 (Constant)	1 (Constant)
Output (To Motor)			
Voltage	Variable/3-Phase	Variable/3-Phase	Variable/3-Phase
Frequency	Variable (30-80 Hz)	Variable (30-80 Hz)	Variable (30-80 Hz)
Max Amps (RMS)	5.9 A	10.9 A	17.8 A
For Use With:			
Pump Rating	¾, 1 or 1.5 hp (Selectable)	1.5, 2 or 3 hp (Selectable)	3 or 5 hp (Selectable)
Motor Rating	1.5 hp, 230 VAC (3-Phase)	3 hp, 230 VAC (3-Phase)	5 hp, 230 VAC (3-Phase)
Pressure Sensor (Included)	External	External	External
Controller Weight - N1	15.00 lbs (6.80 kg)	17.50 lbs (7.94 kg)	N/A
Controller Weight - N4	24.14 lbs (10.95 kg)	28.32 lbs (12.84 kg)	35.15 lbs (15.94 kg)
Carton Size - N1	16-½ x 12-$^{3}/_{8}$ x 9”	16-½ x 12-$^{3}/_{8}$ x 9”	N/A
(H x W x D)	41.9 x 31.4 x 22.9 cm	41.9 x 31.4 x 22.9 cm	
Carton Size - N4	17-½ x 16-$^{3}/_{8}$ x 11-$^{3}/_{8}$”	17-½ x 16-$^{3}/_{8}$ x 11-$^{3}/_{8}$”	19-$^{7}/_{8}$ x 17-½ x 14-¼”
(H x W x D)	44.5 x 41.6 x 28.9 cm	44.5 x 41.6 x 28.9 cm	50.5 x 44.5 x 36.2 cm
Shipping Weight - N1	19.23 lbs (8.72 kg)	21.28 lbs (9.65 kg)	N/A
Shipping Weight - N4	30.91 lbs (14.02 kg)	35.09 lbs (15.92 kg)	40.95 lbs (18.57 kg)

*N1 = NEMA 1 (Indoors), N4 = NEMA 4 (Outdoors)

CONSTANT PRESSURE SYSTEM



Franklin Electric QD Pumptec

The best way to protect a submersible motor and pump

Designed and Tested by Franklin Electric for Franklin Electric Accept No Substitutes!

Easily Plugs Into 3-Wire QD Control Boxes No Additional Wiring or Tools Required

Made exclusively for your Franklin Electric QD Control Box, QD Pumptec is a solid-state, load sensing device that monitors motor load and automatically shuts off a Franklin single-phase, 3-wire motor when the load drops below a preset level.

Q D Pumptec Protects Against:

- Low yield wells
- Worn pump parts
- Drop in water level
- Broken shaft or coupling
- Clogged well screen
- Air or gas locked pump
- Low voltage

Pumptec, Designed to Perform

Features

- Works with all Franklin 3-wire, single-phase submersible motors 1/3 - 1 HP, 230V*
- Easy installation - installs in seconds
- Auto or manual reset
- Surge resistant
- Moisture and insect resistant
- Solid-state electronic circuitry
- Made specifically for the Franklin Electric QD Control Box - *"The one with the blue relay"*
- One year factory warranty

QD Pumptec, like Pumptec, is a solid-state, load sensing control that protects your submersible pump system and reduces the odds that you will ever have to see it again.

To find out how QD Pumptec and Pumptec can protect your submersible pump system, ask your submersible pump supplier or contact us directly.

Q D Pumptec Technical Specifications

Item Number	302656
F.E.Model Number	5800070100
Voltage	230V 60 Hz
HP Rating	1/3 - 1
Response Time	4 seconds
Reset Time	3 to 90 minutes or manual reset
Trip Point	Factory Calibrated
Approval	UL Recognized for U.S. and Canada

* Use Pumptec for 115V, 2-wire, or 1 1/2 HP applications

Franklin Electric Pumptec

Premium protection for your 4" pump investment

Low incoming voltage, a drop in water level, or other application hazards can seriously damage a submersible pump. The best way to protect your investment is with PumpTec. This electronic, easy-to-install control monitors motor load and automatically shuts off your Franklin single-phase 4" motor when the motor load drops below a pre-set level.

Pumptec Protects Against:

- Low voltage
- Drop in water level
- Low yielding well
- Air or gas locked pump
- Clogged well screen
- Broken shaft or coupling
- Worn pump parts

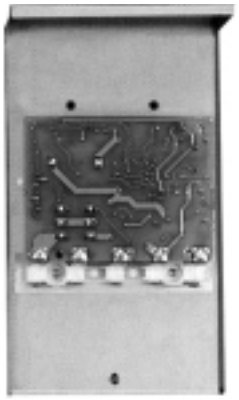
Pumptec, Designed to Protect

Features

- Works with Franklin 4" single-phase 2-wire or 3-wire induction-run submersible motors up to 1 HP and 1.5 HP capacitor-run motors.
- Compact Quick-Disconnect box with rugged, weather-proof construction
- Easy installation and mounting
- Field adjustable automatic reset from 2 to 90 minutes or manual reset
- "Tripped" and "Power On" indicator lights
- External signaling capability (up to 1 amp)
- Surge resistant
- UL/CUL Listed
- One year factory warranty

Specifications

Item Number 302655
F.E. Model Number.....60 Hz 580 002 0116
Horse Power .....1/3 - 1.5 HP
Voltage .....60 Hz - 115V/230V
Trip Point .....Factory Set
Reset time.....Adjustable from 2 to 90 minutes or manual reset



PumpTec protects the life of your 4" submersible pump and reduces the odds that you will ever have to see the motor again.

PumpTec products are the only single-phase, load monitoring devices designed specifically for Franklin submersible motors.

Franklin Electric Pumptec Plus

In-depth pump protection

PumpTec-Plus, High Performance Pump Protection For High Horsepower Submersible Motors

The facts are clear and so are the choices. PumpTec-Plus provides the high performance pump protection you need deep down in the well. Franklin Electric's solid state pump protection system is programmed to prevent damage to 1/2 to 5 HP single-phase submersible pump motors. Push button Snap Shot™ calibration makes PumpTec-Plus simple to install and a great troubleshooting tool.

PumpTec-Plus Protects Against:

- Low Yield Well
- High or Low Voltage
- Rapid Cycling
- Power Surges
- Drop in Water Level
- Cavitation (Air Lock)
- Water Logged Tank
- Sand or Mud Clogging
- Faulty Check Valve

Designed to Perform Deep Down in the Well

Specifications

Item Number 302657

F.E. Model Number.....5800060100 (60Hz)
Horsepower.....1/2 - 5 HP
Voltage 230V/60Hz/Single-Phase
220V/50Hz/Single-Phase
Power Consumption .....5 watts
Operating Temperatures .....-15° to 140°F
Over/Under Load Trip ..... + / -25%
Over/Under Voltage Trip ..... + / -10%
Auto Reset Time .....1 min. - 4 hr. 16 min.
Approvals .....UL/CSA

* + / -25% of user calibration

- Over/Under Voltage Protection
- Over/Under Load Protection
- Rapid Cycle Detection
- Microprocessor Controlled
- Automatic Restart Timer
- Push Button Calibration
- Run Indicator Light
- Fault Indicator Lights
- 30 Amp 5 HP Heavy Duty Contactor
- Suitable For Outdoor Use
- Easy Installation
- UL/CSA Approved

High Performance Pump Protection

Easy to Install
Easy to Calibrate
Easy to Diagnose

Notes: